



IFW

Docket No. MCO-10402/08

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Leach et al.

Serial No.: 10/774,129

Group Art Unit: 3742

Filed: February 6, 2004

For: METHOD AND APPARATUS FOR ELECTRIC RESISTANCE SPOT WELDING
USING ELECTRICAL SERVO ACTUATOR

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR BEFORE MAILING
OF FIRST OFFICE ACTION (37 CFR 1.97(b))**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last, 37 CFR 1.97(b). 

Date: July 7, 2004

~~Douglas L. Wathen~~

GIFFORD, KRASS et al.

280 N. Old Woodward Ave., Ste 400

Birmingham, MI 48009

FAX 734/913-6007

Reg. No.: 41,369

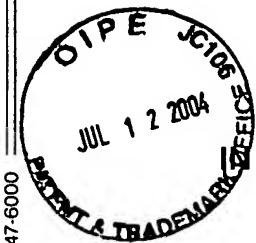
ANSWER *See page 10.*

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: July 7, 2004

Ann K. Andrusiak



GIFFORD, KRASS, GROH, SPRINKLE, ANDERSON & CITKOWSKI, P.C. 280 N. OLD WOODWARD AVENUE, STE. 400, BIRMINGHAM, MICHIGAN 48009-5394 (248) 647-6000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Leach et al.

Serial No.: 10/774,129

Group Art Unit: 3742

Filed: February 6, 2004

For: METHOD AND APPARATUS FOR ELECTRIC RESISTANCE SPOT WELDING
USING ELECTRICAL SERVO ACTUATOR**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. §1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possible material information as defined in 37 C.F.R. §1.56(a) exists. In accordance with 37 C.F.R. §1.97(h) this Information Disclosure Statement is not to be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).

Respectfully submitted,

By 
 Douglas L. Wathen
 Reg. No. 41,369

Date: July 7, 2004

S P E
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

JUL 12 2004

ATTY DOCKET NO. MCO-10402/08	APPLICATION NO. 10/774,129
APPLICANT(S) Leach et al.	
FILING DATE February 6, 2004	GROUP ART UNIT 3742

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US 2,021,477	11/1935	Bohn	219	108	
	US 2,306,593	12/1942	Collom	219	110	
	US 2,349,835	5/1944	Strickland, Jr.	219	89	
	US 2,415,082	2/1947	Burr	219	86.15	
	US 2,474,816	7/1949	Briggs	219	4	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Ariel Stiebel, Charles Ulmer, Dietrich Kodrack, Barry Holmes, "Monitoring and Control of Spot Weld Operations," SAE Technical Paper Series #860579, International Congress and Exposition, Detroit, MI, February 24-28, 1986.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
MCO-10402/08

APPLICATION NO.
10/774,129

Leach et al.

FILING

February 6, 2004

GROUP ART

3742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 3,396,260	8/1968	Waltonen	219	89	
		US 3,889,094	6/1975	Needham	219	89	
		US 4,419,558	12/6/1983	Stiebel	219	109	
		US 5,504,297	4/2/1996	Steibel et al.	219	89	
		US 4,447,697	5/1984	Dunne et al.	219	86.41	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER _____ **DATE CONSIDERED** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. MCO-10402/08		APPLICATION NO. 10/774,129	
				Leach et al.		FILING February 6, 2004	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 4,473,734	9/1984	Henry	219	86.8	
		US 4,504,725	3/1985	Beneteau	219	86.25	
		US 4,517,435	5/1985	Humblot	219	89	
		US 4,550,236	10/1985	Nakadate et al.	219	86.31	
		US 4,551,605	11/1985	Numata et al.	219	86.31	
U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
EXAMINER				DATE CONSIDERED			
<i>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</i>							

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
MCO-10402/08

APPLICATION NO.
10/774,129

Leach et al.

FILING

February 6, 2004

GROUP ART

3742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 4,684,778	8/1987	Cecil	219	116	
		US 4,771,160	9/1988	Pitsch et al.	219	90	
		US 4,947,017	8/1990	Beck	219	86.25	
		US 4,985,612	1/1991	Izume et al.	219	116	
		US 5,099,099	3/1992	Saito	219	89	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER _____ **DATE CONSIDERED** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
MCO-10402/08

APPLICATION NO.
10/774,129

Leach et al.

FILING

February 6, 2004

GROUP ART

3742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 5,113,053	5/1992	Umeda et al.	219	11'6	
		US 5,117,337	5/1992	Sakuma	296	97.5	
		US 5,225,647	7/1993	Dufrenne	219	86.51	
		US 5,252,801	10/1993	Angel et al.	219	86.61	
		US 5,340,960	8/1994	Takasaki et al.	219	86.7	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER _____ **DATE CONSIDERED** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
MCO-10402/08

APPLICATION NO.
10/774,129

APPLICANT(S)

Leach et al.

FILING DATE

February 6, 2004

GROUP ART UNIT

3742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 5,386,092	1/1995	Dufrenne	219	86.32	
		US 5,405,075	4/1995	Narita et al.	228	102	
		US 5,412,172	5/1995	Ichikawa et al.	219	86.41	
		US 5,528,011	6/1996	Kono et al.	219	86.41	
		US 5,582,747	12/1996	Sakai et al.	219	86.41	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
MCO-10402/08

APPLICATION NO.
10/774,129

Leach et al.

FILING

February 6, 2004

GROUP ART

3742

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US 5,789,719	8/1998	Pary et al.	219	86.25	
		US 5,928,531	7/1999	Sato et al.	219	86.25	
		US 6,271,496	8/2001	Domschot	219	86.8	
		US 6,596,958	7/22/2003	Chase	219	86.25	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.